



TOPSIDE OQ



Our covered tasks are designed to meet or exceed the DOT requirements for Operator Qualification

CT0031	Inspect and Monitor Galvanic Ground Beds/Anodes	* CT14	Application and Repair of External Coatings	CT36.9	Install Completion Plugs
* CT01	Conducting Annual Cathodic Protection Surveys	* CT15	Place and Maintain Line Markers	CT37	Conduct Pressure Test
* CT02	Maintain Test Leads	* CT16G	Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Gas Pipelines	* CT38	Maintenance Welding on Pipelines
CT0221	Inspect, Test and Maintain Temperature Transmitters	CT16L	Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Liquid Pipelines	* CT39	Operations of a Pipeline System
CT0241	Operate, Maintain, and Configure Flow Computers	CT17	Inspect Navigable Waterway Crossings	* CT39F	Field Operations of a Pipeline System
CT0261	Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging	* CT18	Inspection of Breakout Tanks	* CT40	Computational Pipeline Monitoring (CPM)
CT0271	Prove Flow Meters	* CT19	Provide Temporary Marking of Buried Pipeline Prior to Excavation	* CT41	Operate Pressure Relieving Devices for Launching and Receiving Facilities
CT0281	Maintain Flow Meters	* CT20	Inspection Following Excavation Activities and Leak Survey after Blasting	* CT42	Performing Maintenance on Valves
CT0291	Inspect, Test and Maintain Gravimeters and Densitometers	CT21	Provide Security for Pipeline Facilities	* CT43	Perform Flange Bolting Procedures
* CT03	Inspect Cathodic Protection Rectifiers	* CT22	Inspect Valves	* CT44	Tubing and Tube Fitting, Handling, and Installation
* CT04	Cathodic Protection Rectifier Maintenance and Repair	* CT23	Repair Valves	* CT45	Perform Leakage Survey
* CT0451	Manual Startup and Shutdown of Pumps	CT24	Inspect, Test and Calibrate Relief Valves	CT46	Vault Maintenance
* CT05	Electrically Inspect Bare Pipe	CT25	Maintain/Repair Relief Valves	* CT47	Install Electrical Insulating Device
CT0591	Leak Test at Operating Pressure	CT26	Inspect, Test and Calibrate Pressure Limiting Devices	* CT48	Purge a Pipeline
CT06.2	Inspection of Coatings	CT27	Inspect, Test and Calibrate Pressure Switches and Transmitters	CT50	Testing an Emergency Shutdown Device
CT06.3	Perform Surface Preparation	CT28	Verifying or Setting Protection Parameters for Programmable Controllers and/or Instrumentation Control Loops	CT51	Perform Incremental Pressure Increases to Update MAOP
CT06.4	Apply Coatings	* CT29	Moving In-Service Pipe	* CT52	Operate Odorant Equipment
CT06J	Electrical Inspection of Coatings	CT30	Inspect Existing Pipe Following Movement	CT54	Gas Detection and Alarm System Maintenance and Performance Testing
* CT07	Measure Wall Thickness	* CT31	Inspection of Clearance of Existing Pipe to Underground Structures	* CT55	Isolation of a Gas Compressor Unit
CT0721	Joining of Pipe: Threaded Joints	* CT32	Abandoning, Safe Disconnect, Purging, and Sealing of Pipeline Facilities	CT56	Compressor Station Inspection and Testing of Remote Control Shutdown Devices
* CT08	Conducting Cathodic Protection Remediation	* CT33	Installation, Replacement, or Repair of Support Structures on Existing or New Aboveground Components	* CT57	Startup, Shutdown, and Operation of Turbine Driven Gas Compressor Unit
* CT09	Monitoring for Internal Corrosion	* CT34	Inspection Activities for Tie-ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline	* CT58	Start-up, Shutdown, and Operation of an Engine Driven Gas Compressor Unit
* CT10	Inspect (Examine) Buried Pipe When Exposed	* CT35	Backfilling a Trench Following Maintenance	* CT59	Install and Monitor Vapor Barriers
CT1081	Tapping a Pipeline (Tap Diameter 2 Inches or Less)	CT36.2	Install Welded Tight Fitting Sleeves	CT60	General Abnormal Operating Conditions
* CT11	Inspect and Calibrate Overflow Protective Devices	CT36.3	Perform Over-sleeve Repair	* CT61	Documentation, Reporting, and OQ Record keeping
CT110	Grinding, Sanding, or Buffing on Steel Pipeline	CT36.4	Perform Composite Wrap Sleeve Repair	CT62	Inspecting and Remediating Pipeline Hazard Protection
CT12	Internal Corrosion Remediation	CT36.5	Install Mechanical Split Sleeve Repair	CT63	Inspect Tank Pressure Vacuum Breakers
CT1291	Locate Underground Pipelines	CT36.6	Install Mechanical Coupling	CT65	Damage Prevention During Excavation Activities By or On Behalf of the Operator
CT13	Inspect Internal Pipe Surfaces	CT36.7	Perform Hot Tapping	CTCLF	Catastrophic Line Failure
CT1301	Install and Maintain Pipeline Markers	CT36.8	Install Pipeline Plugs	CTCRE	Control Room Emergency Response

* Includes Partial Skills Assessments



CT0031	Inspect and Monitor Galvanic Ground Beds/Anodes	Explains and evaluates inspecting and monitoring galvanic ground beds/anodes, obtaining structure-to-electrolyte and current output readings, and potential abnormal operating conditions.
CT01	Conducting Annual Cathodic Protection Surveys	Explains and evaluates measuring structure-to-electrolyte potential, performing close interval surveys and interference testing, testing electrical isolation, inspecting and testing bonds, inspecting for atmospheric corrosion, and potential abnormal operating conditions.
CT02	Maintain Test Leads	Explains and evaluates visually inspecting test leads, determining test lead continuity, measuring structure-to-electrolyte potential, repairing and replacing damaged test leads, and potential abnormal operating conditions.
CT0221	Inspect, Test and Maintain Temperature Transmitters	Explains and evaluates the use, inspection, testing, maintenance, verification, and calibration of temperature transmitters and potential abnormal operating conditions.
CT0241	Operate, Maintain, and Configure Flow Computers	Explains and evaluates operation, maintenance, and configuration of flow computers and potential abnormal operating conditions.
CT0261	Inspection, Testing, and Corrective and Preventative Maintenance of Tank Gauging	Explains and evaluates tank gauging and different types of tank gauging devices, inspection, testing, and corrective and preventative maintenance of tank gauging, and potential abnormal operating conditions.
CT0271	Prove Flow Meters	Explains and evaluates flow meter proving, establishing repeatability, calculating meter factor, and potential abnormal operating conditions.
CT0281	Maintain Flow Meters	Explains and evaluates flow meter maintenance, device removal and reinstallation, performing meter loop integrity check, and potential abnormal operating conditions.
CT0291	Inspect, Test and Maintain Gravimeters and Densitometers	Explains and evaluates inspecting, testing, calibrating, and maintaining gravimeters and densitometers, calculating density correction factor, removing and reinstalling device, performing loop integrity check, and potential abnormal operating conditions.
CT03	Inspect Cathodic Protection Rectifiers	Explains and evaluates inspecting cathodic protection rectifiers, measuring structure-to-electrolyte IR drop readings, determining protection adequacy, and potential abnormal operating conditions.
CT04	Cathodic Protection Rectifier Maintenance and Repair	Explains and evaluates inspecting rectifier cabinets, testing transformers, fuses, and rectifier assemblies, adjusting tap settings, and potential abnormal operating conditions.
CT0451	Manual Startup and Shutdown of Pumps	Explains and evaluates verifying pumps, performing prestart, post-start, and postrun inspections, manually starting up and shutting down pumps at the driver control panel, and potential abnormal operating conditions.
CT05	Electrically Inspect Bare Pipe	Explains and evaluates inspection interval, measuring soil resistivity and soil-to-soil potential, and potential abnormal operating conditions.
CT0591	Leak Test at Operating Pressure	Explains and evaluates performing gas leakage surveys, leak tests at operating pressure, and potential abnormal operating conditions.
CT06.2	Inspection of Coatings	Identifies the practices necessary to inspect for atmospheric corrosion, inspect coatings before, during, and after the application process, and identify and respond to abnormal operating conditions.
CT06.3	Perform Surface Preparation	Identifies the practices necessary to prepare a pipeline surface prior to the application of a protective coating and recognizing and reacting to abnormal operating conditions.
CT06.4	Apply Coatings	Explains and evaluates the practices necessary to apply protective coating, ensure post coating actions are taken, and recognize and react to abnormal operating conditions.
CT06J	Electrical Inspection of Coatings	Explains and evaluates grounding structures and detectors, determining minimum effective voltage, operating voltage detectors, and potential abnormal operating conditions.
CT07	Measure Wall Thickness	Explains and evaluates measuring pit depth using a pit gauge, measuring pipe wall thickness with an ultrasonic thickness meter, collecting RSTRENG Data, and potential abnormal operating conditions.
CT0721	Joining of Pipe: Threaded Joints	Explains and evaluates choosing, connecting, and inspecting threaded joints and potential abnormal operating conditions.





CT08	Conducting Cathodic Protection Remediation	Explains and evaluates installing electrical bonds, galvanic and impressed current an-odes, transformer/rectifiers, and test stations, conducting thermite welding procedures, locating, monitoring, and clearing shorted casing, and potential abnormal operating conditions.
CT09	Monitoring for Internal Corrosion	Explains and evaluates how to safely extract or insert corrosion coupons and probes, collecting pipeline content samples, and potential abnormal operating conditions.
CT10	Inspect (Examine) Buried Pipe When Exposed	Explains and evaluates inspecting pipe and components for physical damage, coating damage, corrosion, and potential abnormal operating conditions.
CT1081	Tapping a Pipeline (Tap Diameter 2 Inches or Less)	Explains and evaluates installing hot tap assemblies, cutting pipe, removing coupons, inserting completion plug, and potential abnormal operating conditions.
CT11	Inspect and Calibrate Overfill Protective Devices	Explains and evaluates obtaining level-gauge device reading, conducting a comparison analysis, visually inspecting and resetting of Overfill Protective Devices, and potential abnormal operating conditions.
CT110	Grinding, Sanding, or Buffing on Steel Pipeline	Explains and evaluates removing defects by grinding, sanding, or buffing on steel pipeline, verifying minimum wall thickness, and potential abnormal operating conditions.
CT12	Internal Corrosion Remediation	The purpose of this module is to evaluate an individual with regard Internal Corrosion Remediation as it relates to a DOT pipeline system.
CT1291	Locate Underground Pipelines	Explains and evaluates determining right-of-way access, locating underground pipelines, determining pipeline depth, and potential abnormal operating conditions.
CT13	Inspect Internal Pipe Surfaces	Explains and evaluates recognizing common types of internal corrosion, their mechanisms, and potential abnormal operating conditions.
CT1301	Install and Maintain Pipeline Markers	Explains and evaluates installing, inspecting, and maintaining line markers, determining right-of-way access, and potential abnormal operating conditions.
CT14	Application and Repair of External Coatings	Explains and evaluates external coating types, performing surface preparation, applying and repairing coating, testing for defects, and potential abnormal operating conditions.
CT15	Place and Maintain Line Markers	Explains and evaluates locating a pipeline, installing a line marker, inspecting and maintaining line markers, and potential abnormal operating conditions.
CT16G	Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Gas Pipelines	Explains and evaluates visually inspecting surface conditions of right-of-way, identifying release or encroachment activities, performing gas leakage surveys, and potential abnormal operating conditions.
CT16L	Inspecting Surface Conditions of Right-of-Way and Perform Leak Surveys for Liquid Pipelines	Explains and evaluates inspecting surface conditions of right-of-way, following company reporting protocols, and potential abnormal operating conditions.
CT17	Inspect Navigable Waterway Crossings	Explains and evaluates the use of probes, sonar, and other methods to verify the location of a pipeline, determine the depth of cover, and potential abnormal operating conditions.
CT18	Inspection of Breakout Tanks	Explains and evaluates the inspection of breakout tanks in accordance with API Standard 653, 510, inspection other breakout tanks, and potential abnormal operating conditions.
CT19	Provide Temporary Marking of Buried Pipeline Prior to Excavation	Explains and evaluates locating a pipeline, installing temporary pipeline markers, inspecting and maintaining temporary line markers, and potential abnormal operating conditions.
CT20	Inspection Following Excavation Activities and Leak Survey after Blasting	Explains and evaluates inspecting after excavating, performing leak surveys, utilizing leak survey techniques, monitoring for pressure loss, and potential abnormal operating conditions.
CT21	Provide Security for Pipeline Facilities	Explains and evaluates providing security for pipeline facilities and potential abnormal operating conditions.
CT22	Inspect Valves	Explains and evaluates locating valves, isolating leaks, performing function tests, performing routine maintenance, and potential abnormal operating conditions.





CT23	Repair Valves	Explains and evaluates repairing valves and actuators/operators and potential abnormal operating conditions.
CT24	Inspect, Test and Calibrate Relief Valves	Explains and evaluates locating relief valves, identifying equipment, ensuring external integrity, testing relief valves, and potential abnormal operating conditions.
CT25	Maintain/Repair Relief Valves	Explains and evaluates disassembling, cleaning, inspecting, repairing, and replacing internal components of a relief valve, and potential abnormal operating conditions.
CT26	Inspect, Test and Calibrate Pressure Limiting Devices	Explains and evaluates inspecting pressure limiting devices and nameplates, performing static and dynamic testing, calibrating and reinstalling pressure limiting devices, and potential abnormal operating conditions.
CT27	Inspect, Test and Calibrate Pressure Switches and Transmitters	Explains and evaluates inspecting, testing, and calibrating pressure switches and transmitters and potential abnormal operating conditions.
CT28	Verifying or Setting Protection Parameters for Programmable Controllers and/or Instrumentation Control Loops	Explains and evaluates verifying data set points, parameters, and data location within PLC program, calibrating, testing, and documenting system set points, and potential abnormal operating conditions.
CT29	Moving In-Service Pipe	Explains and evaluates preparing for pipeline movement activities, moving in-service pipe, and potential abnormal operating conditions.
CT30	Inspect Existing Pipe Following Movement	Explains and evaluates inspecting pipeline for secondary stresses, physical damage, corrosion, and coating damage and potential abnormal operating conditions.
CT31	Inspection of Clearance of Existing Pipe to Underground Structures	Explains and evaluates inspecting for clearance of existing pipe to underground structures, ensuring minimum clearances, interference, and corrosion control tests are performed during installation of foreign pipelines or structures, and potential abnormal operating conditions.
CT32	Abandoning, Safe Disconnect, Purging, and Sealing of Pipeline Facilities	Explains and evaluates safely disconnecting and purging pipeline facilities, sealing disconnected portions of pipeline, and potential abnormal operating conditions.
CT33	Installation, Replacement, or Repair of Support Structures on Existing or New Aboveground Components	Explains and evaluates replacing or repairing support structures on existing or new aboveground components, installing additional or revised support structure elements to existing aboveground structures, and potential abnormal operating conditions.
CT34	Inspection Activities for Tie-ins, Pipe Replacements, or Other Components Connecting to an Existing Pipeline	Explains and evaluates performing pre-installation requirements, verifying welder & NDT personnel qualifications, ensuring proper installation, and potential abnormal operating conditions.
CT35	Backfilling a Trench Following Maintenance	Explains and evaluates performing backfilling operations following maintenance, determining if a tamping tool and backhoe are being used properly, how to determine amount of cover, and potential abnormal operating conditions.
CT36.2	Install Welded Tight Fitting Sleeves	Explains and evaluates confirming surface preparation, sleeve type, length, and material, fitting sleeve, and potential abnormal operating conditions.
CT36.3	Perform Over-sleeve Repair	Explains and evaluates confirming surface preparation, filling defects, confirming sleeve length and material, fitting over-sleeves, and potential abnormal operating conditions.
CT36.4	Perform Composite Wrap Sleeve Repair	Explains and evaluates confirming surface preparation, installing composite wrap sleeve, and potential abnormal operating conditions.
CT36.5	Install Mechanical Split Sleeve Repair	Explains and evaluates confirming surface preparation, sleeve length, and material, installing mechanical split sleeve repairs, and potential abnormal operating conditions.
CT36.6	Install Mechanical Coupling	Explains and evaluates confirming surface preparation, sleeve length, and material, installing mechanical couplings, and potential abnormal operating conditions.
CT36.7	Perform Hot Tapping	Explains and evaluates installing and removing hot tap assembly, operating hot tap equipment, and potential abnormal operating conditions.
CT36.8	Install Pipeline Plugs	Explains and evaluates installing plugging assembly, inserting and removing plug, monitoring pressure, removing plugging assembly, and potential abnormal operating conditions.





CT36.9	Install Completion Plugs	Explains and evaluates installing, operating, and removing completion plug assembly, relieving pressure from and draining plugging machine, and potential abnormal operating conditions.
CT37	Conduct Pressure Test	Explains and evaluates performing a pressure test, analyzing test data, depressurizing and drying pipe, and potential abnormal operating conditions.
CT38	Maintenance Welding on Pipelines	Explains and evaluates repairing arc burns, defective welds other than welds containing cracks, cover passes on welds containing defects other than a crack, butt welds containing cracks, and previously repaired areas, replacing welds or cylinders of pipe, and potential abnormal operating conditions.
CT39	Operations of a Pipeline System	Explains and evaluates pipeline startup and shutdown procedures, monitoring and maintenance of pressures, flows, and line integrity, operating valves using manual or remote methods, and potential abnormal operating conditions.
CT39F	Field Operations of a Pipeline System	Explains and evaluates pipeline startup and shutdown procedures, monitoring and maintenance of pressures, flows, and line integrity, operating valves using manual or remote methods in the field, and potential abnormal operating conditions.
CT40	Computational Pipeline Monitoring (CPM)	The purpose of this module is to evaluate an individual with regard to the procedures and methods of performing leak detection with Computational Pipeline Monitoring.
CT41	Operate Pressure Relieving Devices for Launching and Receiving Facilities	Explains and evaluates isolating, relieving pressure and draining fluids from the launcher and receiver barrel, launching and receiving a pig, and potential abnormal operating conditions.
CT42	Performing Maintenance on Valves	Explains and evaluates valve winterization or corrosion inhibition, lubrication, seat sealing, stem packing, actuator/operator adjustment, and potential abnormal operating conditions.
CT43	Perform Flange Bolting Procedures	Explains and evaluates identifying hazards, performing hot bolting and flange assembly procedures, and potential abnormal operating conditions.
CT44	Tubing and Tube Fitting, Handling, and Installation	Explains and evaluates handling tubing, tube fittings, and tubing components, designing or verifying a tubing system, cutting and de-burring metal tubing, bending metal tubing, installing compression tube fittings, and potential abnormal operating conditions.
CT45	Perform Leakage Survey	Explains and evaluates performing visual leakage surveys and pipeline leakage surveys using combustible gas detector, flame ionization detector, optical methane detector, and remote methane leak detector, and potential abnormal operating conditions.
CT46	Vault Maintenance	Explains and evaluates performing vault maintenance and potential abnormal operating conditions.
CT47	Install Electrical Insulating Device	Explains and evaluates electrically isolating pipelines from other processes to reduce the risk of corrosion and potential abnormal operating conditions.
CT48	Purge a Pipeline	Explains and evaluates purging hydrocarbons and air from a pipeline, purging pipeline with product, and potential abnormal operating conditions.
CT50	Testing an Emergency Shutdown Device	Explains and evaluates determining system testing method, testing full plant blow down system, isolating ESD devices, and potential abnormal operating conditions.
CT51	Perform Incremental Pressure Increases to Uprate MAOP	Explains and evaluates increasing and monitoring pipeline pressure, performing leak surveys, and potential abnormal operating conditions.
CT52	Operate Odorant Equipment	Explains and evaluates determining odorant injection rates, testing odorant levels, inspecting, repairing odorant injection systems, and potential abnormal operating conditions.
CT54	Gas Detection and Alarm System Maintenance and Performance Testing	Explains and evaluates calibrating, testing, and maintaining gas detection systems, documenting according to MSDS, and potential abnormal operating conditions.
CT55	Isolation of a Gas Compressor Unit	Explains and evaluates isolating a gas compressor unit, preparing an isolated compressor unit for start-up, and potential abnormal operating conditions.
CT56	Compressor Station Inspection and Testing of Remote Control Shutdown Devices	Explains and evaluates inspecting, testing, and observing remote control shutdown devices and potential abnormal operating conditions.





CT57	Startup, Shutdown, and Operation of Turbine Driven Gas Compressor Unit	Explains and evaluates starting up, operating, and shutting down a turbine driven gas compressor unit and potential abnormal operating conditions.
CT58	Start-up, Shutdown, and Operation of an Engine Driven Gas Compressor Unit	Explains and evaluates starting up, operating, and shutting down engine driven gas compressor unit and potential abnormal operating conditions.
CT59	Install and Monitor Vapor Barriers	Explains and evaluates temporarily sealing a portion of pipeline with a plug or isolation tool to create a vapor barrier preventing hazardous vapors from entering a hot work area; and recognizing and reacting to abnormal operating conditions.
CT60	General Abnormal Operating Conditions	Explains how to recognize and respond to the malfunction or failure of pipeline components, physical damage, the unexpected activation of safety devices, and preventing an accidental ignition.
CT61	Documentation, Reporting, and OQ Record keeping	Explains and evaluates maintaining testing and inspection records, identifying accidents and incidents that require reporting, OQ record keeping requirements, and potential abnormal operating conditions.
CT62	Inspecting and Remediating Pipeline Hazard Protection	Explains and evaluates identifying types of pipeline hazards, identifying and inspecting protective physical barriers, and potential abnormal operating conditions.
CT63	Inspect Tank Pressure Vacuum Breakers	Explains and evaluates verifying, inspecting, disassembling, and reassembling tank pressure vacuum breakers, validating pallet weight, and potential abnormal operating conditions.
CT65	Damage Prevention During Excavation Activities By or On Behalf of the Operator	Explains and evaluates verifying line location, identifying potential hazardous surface conditions, confirming spoil placement, using hand tools and vacuums, ensuring pipeline support and security, and potential abnormal operating conditions.
CTCLF	Catastrophic Line Failure	Explains the severity of a catastrophic line failure, recognizing indications of a major leak, and identifying and responding to a catastrophic line failure.
CTCRE	Control Room Emergency Response	Explains identifying hazardous liquids, recognizing abnormal operating conditions, responding to pipeline emergencies, executing emergency response procedures, and coordinating pipeline restart.

